Dear rising 8th grade students and parents entering regular Algebra I,

The math summer work for this year will be done on IXL using the app or the website
www.ixl.com. The student username is first initial last name (all lower case) @charlestonday.
 The password is the student's "P" number that they use to check out books.

I have chosen 20 objectives, some from 6th grade and some from 7th grade. These are all skills
that each student must have mastered before entering Algebra I. To complete an objective, a
student must achieve a Smart Score of 90. Some may take 10 minutes or less to complete,
while others may take 30 minutes or more.

Students should expect to use paper and pencil while working on the objectives. Working
slowly and carefully is the quickest way to master an objective. Rushing and making careless
errors actually makes the process take longer.

If a student is struggling to complete an objective, they should seek help from an adult.
 Missing many problems in a row just makes it harder to reach a 90 Smart Score. IXL explains
to a student what they did wrong each time they miss a problem. Students can also use
www.khanacademy.com for explanations of skills. If a student does not know how to
complete these skills, then they are not ready for Algebra I. Further tutoring may be
necessary.

IXL Math Objectives for Rising 8th Graders in Regular Algebra I:

6th grade M5: absolute value and opposites

6th grade M7: ordering integers

6th grade X1: objects on a coordinate plane

6th grade J3: adding and subtracting fractions

6th grade K1: fractions of whole numbers

6th grade K6: multiplying fractions

6th grade N4: subtracting integers

6th grade N9: multiplying integers

6th grade O10: + - x ÷ integers

6th grade Y7: terms and coefficients

6th grade S2: fractions, decimals, percents (This one will take a while. Use paper and
pencil and look up the processes if you need to.)

7th grade D4: rounding decimals

7th grade F2: equivalent fractions

7th grade F3: fractions in lowest terms

7th grade U5: complete a table   **(CONTINUED ON NEXT PAGE)**

7th grade S1: which x satisfies equation

7ᵗʰ grade S6: 2-step equations (Work slowly on paper.)

7ᵗʰ grade T5: solve and graph inequality (If you multiply or divide by a negative, change the direction of the inequality sign.)

7ᵗʰ grade R4: evaluate expressions (Use paper. Use order of operations and integer rules.)

7ᵗʰ grade I9: expressions with exponents (Use paper. Use order of operations and integer

   rules.)

According to the CDS handbook, students will face academic and disciplinary consequences if the work is incomplete. By completing this summer assignment, your student demonstrates his/her responsibility for being prepared for eighth grade.

Thank you!

Laurin Shealy